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CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

||||||| AS OF |||||
APR. 1, 1965

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

Report prepared by

MANES BARTON

and

ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 SOUTH WELLS AVENUE
RENO, NEVADA

APRIL 8, 1965

Issued by

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

ELMO J. DE RICCO

~~**HUGH A. SHAMBERGER**~~

DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

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ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
AMERICAN BEAUTY	15J17a	9,12	LAMOILLE #3	15J6M	9,12
BAKER #1	14L1	8	LAMOILLE #4	15J7	9,12
BAKER #2	14L2	8	LAMOILLE #5	15J8	9,12
BAKER #3	14L3	8	LAPON MEADOW	18L1	5
BALD MOUNTAIN	19H1	15	LAUREL DRAW	16H5	11
BARBER CREEK	20H5	15	LEAVITT MEADOWS	19L8	5
BEAR CREEK	15H1MA	11,12	LEE CANYON #1	15N4	7
BERRY CREEK	14K2	8	LEE CANYON #2	15N3	7
BIG BEND	15H4MP	11,12	LEE CANYON #3	15N8	7
BIG CREEK CAMPGROUND	17K1	13	LITTLE BALLY MTN.	19H4a	15
BIG CREEK MINE	17K2	13	LITTLE VALLEY	19K3	2
BIG CREEK, UPPER	17K3	13	LOBLOLL LAKE	19L17a	5
BIRD CREEK	14K1	8	LOUSE CANYON	17G4a	14
BLUE LAKES	19L5	3,4	LOWER CORRAL	17L1	7,13
BOCA #2	20K14	2,4			
BROCKWAY SUMMIT	20K22	2	MARLETTE LAKE	19K4M	2,3
BUCKEYE FORKS	19L11	5	MARTIN CREEK	17H3	12,14
BUCKEYE ROUGHS	19L10	5	MATHEW CANYON	14M1	7
BUCKSKIN, LOWER	17H2	12,14	MIOAS	16H3AP	11,12
BUCKSKIN, UPPER	17H1	12,14	MONTGOMERY PASS	18M1	6
			MT. GRANT	18L2	5
CAMPITO MOUNTAIN	18M2	6	MT. ROSE	19K2	2
CARSON PASS, UPPER	19L4	3,4	MURRAY SUMMIT	14K3	8
CAVE CREEK	15J13	8,9,12			
CEGAR PASS	20H6	15	OREGON CANYON	17G5a	14
CENTER MOUNTAIN	19L12A	5			
CLARK CANYON	15N2	7	PINCHOT CREEK	18M3a	6
CLEAR CREEK	19K5	3,4	PINE CANYON	14M2	7
COLUMBIA BASIN	16H6a	11	PIUTE PASS	18M4a	6
CORRAL CANYON	15J12A	9,12	POISON FLAT	19L6A	3,4
			POLE CREEK R. 5.	15H14	10
DAGGETTS PASS	19L14	2,3,4,			
DENIO CREEK	18G6a	14	QUINN RIOGE	17H6a	14
DISASTER PEAK	18H1	14			
DISMAL SWAMP	20H3a	15	RAINBOW CANYON #2	15N7	7
DONNER PARK #2	20K21	2	REO POINT	15H18a	10
DONNER SUMMIT	20K10	2,4	RESERVATION CREEK	20H4	15
DORSEY BASIN	15J1MP	9,12	RICHARDSONS #2	20L3	2
DRY CREEK	15J3	9,12	ROBINSON LAKE	15J16a	9,12
			ROBINSON SUMMIT	15K1	8
EAGLE PEAK	20H7	15	ROOGE FLAT	15H6MP	11,12
EBBETTS PASS	19L19a	3	RUBICON #1	20L1	2
ECHO SUMMIT	20L5	2,3,4	RUBICON #2	20L2	2
			RYAN RANCH	15J2	9,12
FOROYCE LAKE	20K7	2,4			
49-MTN.	19H3	15	SAGE HEN CREEK	20K6	2,4
FOX CREEK	15H2	11	76 CREEK	15H3A	11,12
FREEL BENCH	19L2	2	SILVER CREEK #2	14K7	8
FRY CANYON	15H7	11,12	SONORA PASS	19L7M	3,5
FURNACE FLAT	20K8	2,4	SOUAW VALLEY #2	20K19	2
			STAG MTN.	15H19a	11,12
GLENBROOK #2	19K6	2,3			
GOAT CREEK	15H13	10	TAHOE CITY	20K16	2,4
GOLCONOA #2	17J2	12	TAYLOR CANYON	15H9MP	11,12
GOLD CREEK	15H5	11,12	TIOGA PASS	19M1	5
GRANITE PEAK	17H4	12,14	TOE JAM	16H7a	11,12
GREEN MOUNTAIN	15J9MP	9,12	TREMEWAN RANCH	15H8	11,12
			TROUGH SPRINGS	15N1	7
HAGANS MEADOW	19L3M	2,4	TROUT CREEK	18G5a	14
HAGER CANYON	15J14	8,9,12	TROUT CREEK, LOWER	15H10P	9,12
HARRISON PASS #1	15J10	9,12	TROUT CREEK, UPPER	15H11A	9,12
HARRISON PASS #2	15J11	9,12	TRUCKEE #2	20K13M	2
HAYS CANYON	19H2	15			
HOLE-IN-MOUNTAIN	15J15	9,12	UPPER CORRAL	17L2	7,13
HUMMINGBIRD SPRINGS	15H15A	10,12	UPPER FISH VALLEY	19L16a	3
			UPPER TRUCKEE	19L1	2
INDEPENDENCE CAMP	20K4M	2,4			
INDEPENDENCE CREEK	20K3	2	VIRGINIA LAKES	19L13M	5
INDEPENDENCE LAKE	20K5	2			
JACK CREEK, LOWER	16H1M	11,12	WARO CREEK	20K17M	2,4
JACK CREEK, UPPER	16H2A	11,12	WARO MOUNTAIN #2	14K5	8
JACKS PEAK	16H4	11,12	WEBBER LAKE	20K2	2
JAKES CREEK	14H1	10,13	WEBBER PEAK	20K1	2
			WET MEADOWS LAKE	19L18a	3
KALAMAZOO CREEK	14K8	8	WHITE RIVER #1	15L1	8
KYLE CANYON	15N5	7	WILLOW FLAT	19L9	5
LAKE LUCILLE	20L4	2			
LAMANCE CREEK	17H5	12,14			
LAMOILLE #1	15J4	9,12			
LAMOILLE #2	15J5	9,12			

INDEX TO NEVADA SNOW COURSES (By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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SNAKE RIVER BASIN

SNAKE RIVER					
15H1MA	BEAR CREEK	31	48N	58E	7800
15H4MP*	BIG BENO	30	45N	56E	6700
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H5*	GOLD CREEK	31	45N	56E	6600
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	8	44N	58E	7100
15H19a	5TAG MTN.	29	41N	58E	7800

OWYHEE RIVER					
15H4MP	BIG BENO	30	45N	56E	6700
17H2*	BUCKSKIN, LOWER	25	45N	39E	8700
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H7*	FRY CANYON	31	43N	54E	6700
15H5	GOLD CREEK	31	45N	56E	6600
17H4*	GRANITE PEAK	22	44N	39E	7800
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL ORAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
17H3*	MARTIN CREEK	18	44N	40E	6700
15H6MP*	RODEO FLAT	36	43N	53E	6800
15H19a*	5TAG MTN.	29	40N	50E	7700
15H9MP	TAYLOR CANYON	35	39N	53E	6200
16H7a*	TOE JAM	29	40N	50E	7700
15H8*	TREMEWAN RANCH	9	39N	55E	5700

INTERIOR

UPPER HUMBOLOT RIVER					
15J17a	AMERICAN BEAUTY	32	31N	58E	7800
15H1MA	BEAR CREEK	31	46N	58E	7800
15H4MP*	BIG BENO	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H2*	FOX CREEK	33	46N	58E	6800
15H7	FRY CANYON	31	43N	54E	6700
15H5*	GOLD CREEK	31	45N	56E	6600
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800
16H2A*	JACK CREEK, UPPER	9	42N	53E	7250
16H4*	JACKS PEAK	28	42N	53E	8420
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H19a*	5TAG MTN.	29	40N	50E	7700
15H3A*	76 CREEK	6	44N	58E	7100
15H9MP*	TAYLOR CANYON	35	39N	53E	6200
16H7a*	TOE JAM	29	40N	50E	7700
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLOT RIVER					
17K1	BIG CREEK CAMP GROUND	10	17N	43E	8600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	7200
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAWANCE CREEK	13	42N	38E	8000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIOAS	18	39N	46E	7200
16H7	TOE JAM	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

EASTERN NEVADA					
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	88E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1*	WHITE RIVER #1	31	13N	59E	7400

CENTRAL GREAT BASIN					
18M2	CAMPITO MTN (CAL.)	19	55	35E	10200
15N2	CLARK CANYON	8	19S	56E	9000
18G6a*	ONENIO CREEK (OREG.)	14	41S	34E	6000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	8720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEGAR PASS	12	43N	14E	7100
18H1	DISASTER PEAK	6	47N	34E	6500
20H3a	OWSAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	8000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19X8	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M	MARLETTE LAKE	13	15N	18E	8000
19K2*	MT. ROSE	7	17N	19E	9000
20L3	RICHAROSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	8	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000

TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	ODNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	ODNER SUMMIT (CAL.)	25	17N	14E	6100
20K7*	FORNEY LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K18*	TAHOE CITY (CAL.)	6	15N	17E	6250
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K17M*	WARD CREEK (CAL.)	21	15N	16E	7000
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETTS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBLOLL LAKE	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER

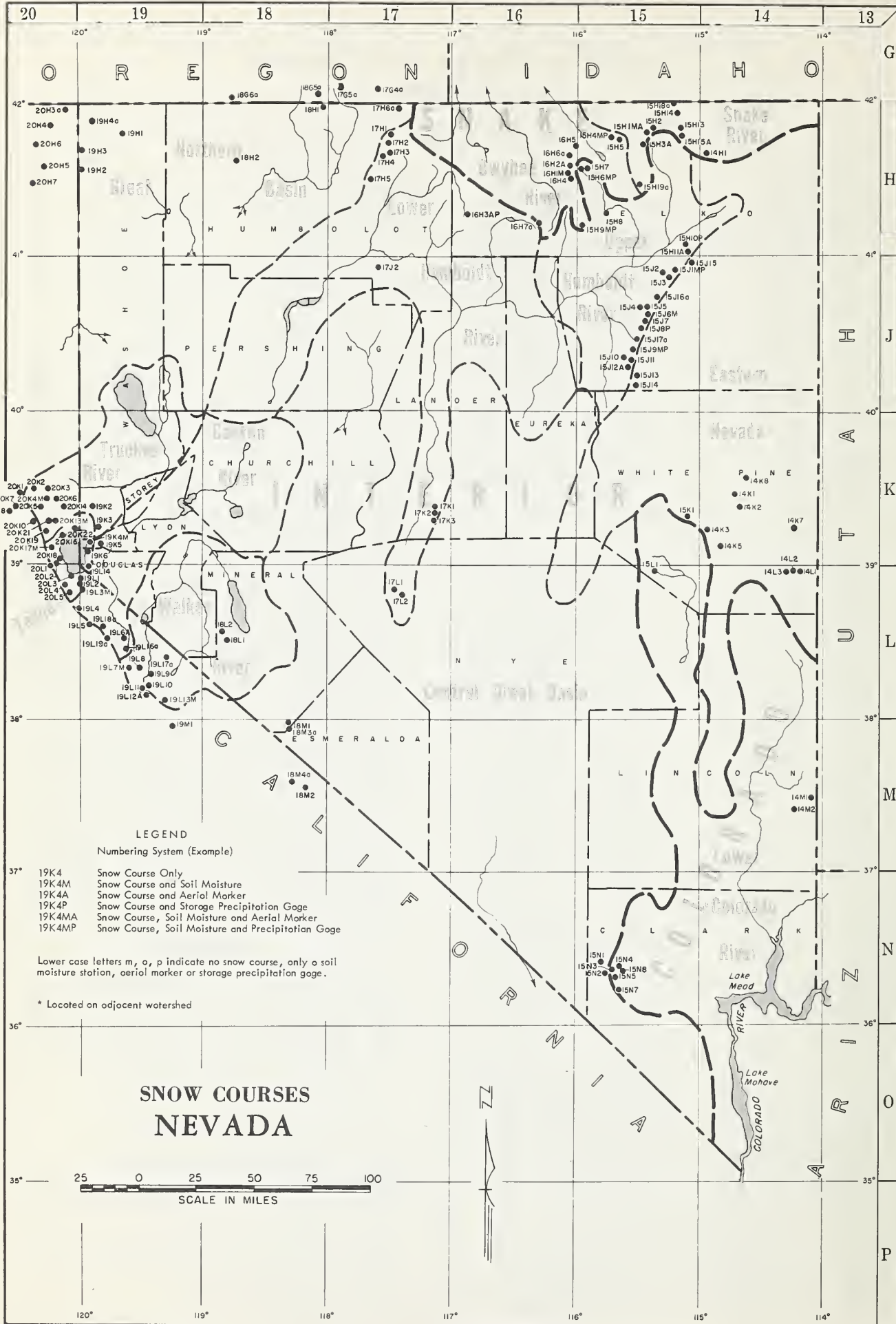
15N5	KYLE CANYON	26	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8300
15N3	LEE CANYON #2	9	19S	56E	9000
15N8	LEE CANYON #3	10	19S	56E	8400
14M1	MATHEW CANYON	11	5S	70E	6000
14M2	PINE CANYON	11	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE

LOWER CASE LETTERS m, a, p, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER OR STORAGE PRECIPITATION GAGE.

* LOCATED ON ADJACENT WATERSHED



LEGEND
Numbering System (Example)

- 19K4 Snow Course Only
- 19K4M Snow Course and Soil Moisture
- 19K4A Snow Course and Aerial Marker
- 19K4P Snow Course and Storage Precipitation Gage
- 19K4MA Snow Course, Soil Moisture and Aerial Marker
- 19K4MP Snow Course, Soil Moisture and Precipitation Gage

Lower case letters m, o, p indicate no snow course, only o soil moisture station, aerial marker or storage precipitation gage.

* Located on adjacent watershed

SNOW COURSES NEVADA



WATER SUPPLY OUTLOOK
FOR NEVADA

April 1, 1965

** ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *
* Nevada's water supply outlook for irrigation, power, municipal and *
* other uses remains most favorable. Although February and March snow- *
* fall was below average, the April 1 snow pack ranged from 71 percent *
* of average in southern Nevada to 125 percent in the Walker-Carson *
* basin on the east slope Sierra. The heavy snowfall of January, 1965, *
* offset the February and March deficiencies. Reservoir storage is *
* excellent and considerable stored water will be carried over into *
* 1966. Mountain soils in western and northern Nevada are wet. Water *
* users served from east slope Sierra streams will have a good to *
* excellent 1965 irrigation water supply. Humboldt water users will *
* have a good water supply while central and southern Nevada water *
* users will have a fair water supply. *
** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *

STREAMFLOW FORECASTS

April-July 1965 streamflow forecasts have been lowered moderately due to March snowfall and precipitation deficiencies. Except for southern and south central Nevada the forecasts all call for streamflow this coming spring and early summer to be in 94-158 percent of average range.

Lake Tahoe is forecast to rise 1.70 feet from April 1 assuming gates closed. This would raise the Lake to 6228.85, only 0.25 foot short of maximum elevation. The Truckee Basin Water Committee states that the Floristan rate of 500 cfs will be maintained through the spring and summer.

Carson and Walker basin streams are forecast to flow 139-158 percent of their April-July averages. Humboldt-Owyhee April-July 1965 streamflow will range between 94-123 percent of average except for Salmon Falls Creek near San Jacinto which is forecast at 154 percent for the March-July 1965 period. Surprise Valley streams are forecast to flow 101-110 percent of their April-September average.

East Central Nevada irrigation season streamflow will be fair to good and southern and south central Nevada exclusive of the main Colorado River will have only fair streamflow.

RESERVOIR STORAGE

Nevada's principal reservoirs, exclusive of Lake Mead and Mohave, hold more stored water than anytime since 1959. In aggregate on April 1, 1965, they hold 1,000,000 acre feet which is 129 percent of the 1948-62 average and 73 percent of capacity. There will be a good carryover of stored water into the 1966 water year.

SOIL MOISTURE CONDITIONS

The moisture content of medium and high elevation soils in northern and western Nevada is excellent. Soils at lower elevations below the snow line have dried out to some extent the past two months. However, the current sequence of storms during the past ten days has reduced these deficiencies. Range forage growth during the spring months should be good to excellent.

SOIL MOISTURE CONDITIONS (Continued)

Soil moisture conditions in southern and south central Nevada have improved during the past month and early April. However, these soils can only be rated as fair at this time.

SNOW COVER

March, 1965 snowfall was below normal as was February. As a result most snow courses gained little in water content. The heavy snowpack which accumulated during January continued to offset these deficiencies. As of April 1, 1965 the water content of snow by basins or areas as percent of the April 1, 1948-62 average was as follows: east slope Sierra - 120-125%; Surprise Valley - 80%; Humboldt-Owyhee - 80-93%; White Pine Co. - 81%; and Spring Mountains (near Las Vegas) - 71%.

In general, high elevation snow is well above average in the 120-140 percent of average range. Medium elevation snow is 80-100 percent of average and low elevation snow 50-70 percent of average.

NEVADA STREAMFLOW FORECASTS - APRIL 1, 1965

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1965	15-Yr. Av. 1948-62	1965 as % of 15-Yr. Av.	Measured Runoff 1964	1963
<u>TRUCKEE RIVER</u>					
			(***)		
Little Truckee River above Boca, California ¹	108	78	139 (114)	63	110
Truckee River at Farad, California ^{1, 2}	320	269	119 (114)	180	277
Lake Tahoe ^{1, 3}	1.70	1.47	116 (112)	0.90	1.87
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nevada	250	179	140	113	212
West Carson at Woodfords, California	75	52	144	34	*
Carson River near Carson City, Nevada	235	169	139	87	218
Carson River at Ft. Churchill, Nevada	220	155	142	70	188
East Carson near Gardnerville, Nevada (Date of 200 c.f.s. flow)	8/3	7/20	---	7/9	8/5
<u>WALKER RIVER</u>					
East Walker near Bridgeport, California ⁴	90	57	158	21	88
West Walker below East Fork near Coleville, California	200	140	143	86	173
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah ⁵	34	43	79	37	18

NEVADA STREAMFLOW FORECASTS - APRIL 1, 1965 (Continued)

Basin and Forecast Stream	April-July, Streamflow Thousands Acre Feet				
	Forecast 1965	15-Yr. Av. 1948-62	1965 as % of 15-Yr.Av.	Measured Runoff 1964	1963
<u>HUMBOLDT RIVER</u>					
Lamoille Creek nr. Lamoille, Nev.	32	26	123	33	30
So. Fk. Humboldt nr. Elko, Nev.	70	60	117	88	75
Marys River above Hot Springs, Nev.	33	34	97	30	27
No. Fk. Humboldt at Devils Gate, Nev.	32	34	94	33	22
Humboldt River at Palisade, Nev.	200	173	115	271	216
Humboldt River at Comus, Nev.	145	127	114	207	140
Martin Creek nr. Paradise, Nev.	17	17	100	12	10
<u>SNAKE RIVER</u>					
Owyhee River nr. Owyhee, Nev. ⁶	74	22	100	21	15
Owyhee nr. Gold Creek, Nev. ⁶	22	74	100	78	70
Salmon Falls Creek nr. San Jacinto, Nev. ⁷	120 117	78 76	154 154	102 98	72 69
<u>SURPRISE VALLEY</u>					
Bidwell Cr. nr. Ft. Bidwell, Calif. ⁸	14.5	14.3**	101	--	13.3
Mill Cr. nr. Cedarville, Calif. ⁸	5.6	5.5	102	5.8	5.5
Deep Cr. nr. Cedarville, Calif. ⁸	3.9	3.8	103	3.9	4.3
Eagle Cr. nr. Eagleville, Calif. ⁸	5.7	5.2	110	5.8	5.2

- Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
- Exclusive of Tahoe and corrected for storage in Boca Reservoir.
- Maximum rise, in feet, from April 1, assuming gates closed.
- For period April through August corrected for storage in Bridgeport Reservoir.
- April-June forecast; issued by SCS, Salt Lake City, Utah.
- Corrected for storage in Wild Horse Reservoir.
- March-Sept. and March-July forecasts respectively; issued by SCS, Boise, Idaho.
- April-Sept. forecast; coordinated forecast of SCS and California Department of Water Resources, Snow Survey Units.

* Gage washed out February 1963; record incomplete.

** Adjusted average.

*** Number in parenthesis is forecast as percent of long term average.

NEVADA
STATUS OF RESERVOIR STORAGE
APRIL 1, 1965

Basin and Stream	Reservoir	Usable Capacity (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1965	1964	1963	April 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	13 *	24	21	18
Lower Humboldt	Rye Patch	179	159	85	84	76
Colorado	Mohave	1,810	1,663	1,663	1,703	1,357**
Colorado	Mead	27,217	11,151	14,609	21,864	16,603
Tahoe	Tahoe	732	497	340	263	404
Truckee	Boca	41	12	11	38	9
Truckee	Prosser***	29	9	10	10	--
Carson	Lahontan	286	236	220	262	202
West Walker	Topaz	59	50	53	59	37
East Walker	Bridgeport	42	33	42	42	30

* Reservoir drained during dummer to effect repairs to dam.

** 1950-57

*** Flood control use allocation of 20,000 A.F. between November 1 and April 10. Storage began January 30, 1963.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,
and Bridgeport Reservoirs in 1000's Acre Feet

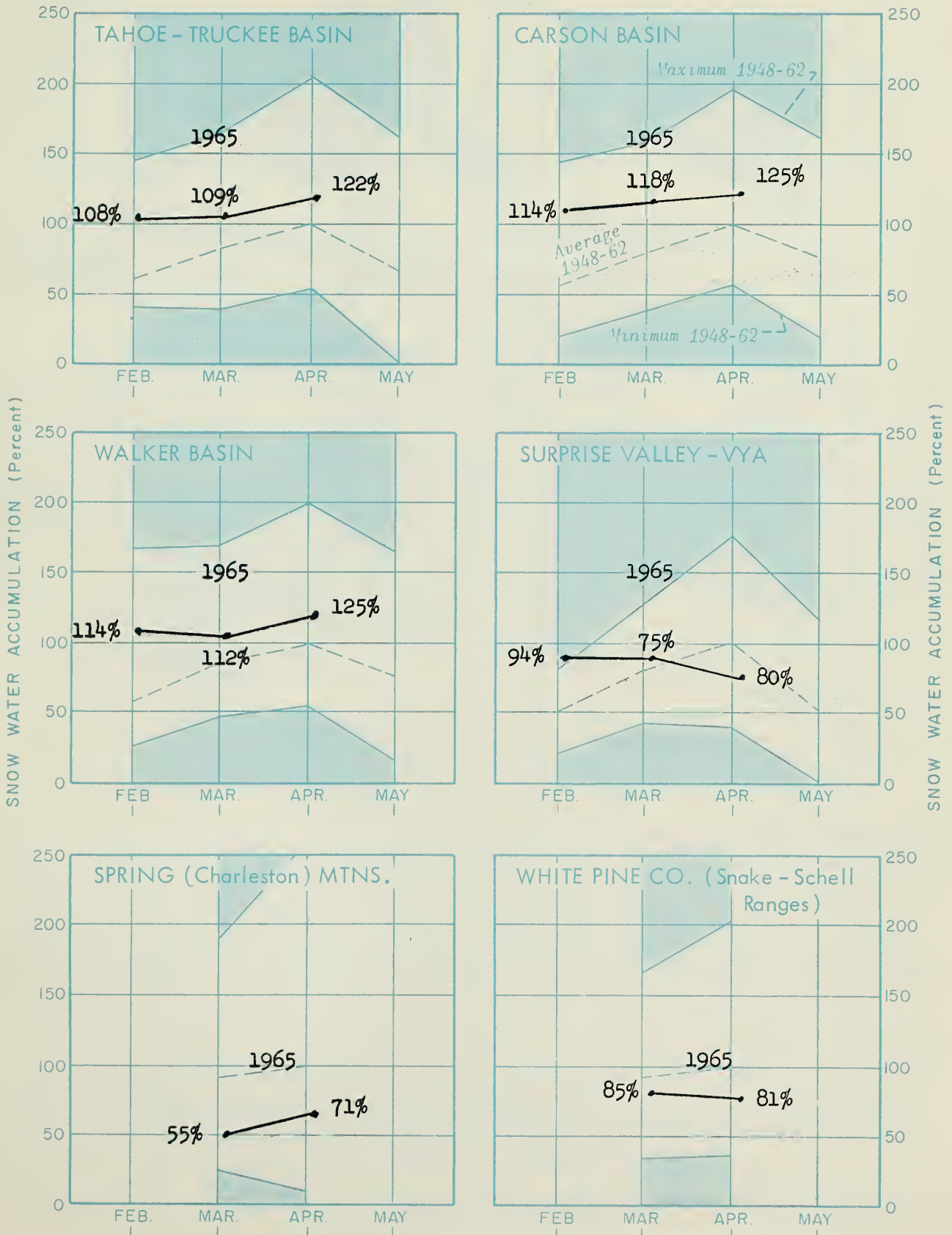
Month	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	Average 1948-62
October 1	489	263	65	345	707	498	572
January 1	367	206	57	419	756	785	622
February 1	398	218	73	558	784	911	670
March 1	494	254	210	696	777	948	725
April 1	592	285	318	769	775	1,000	776
May 1	632	300	499	844	814		834

TOTAL USABLE CAPACITY 1,372

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of April 1, 1965



Continued

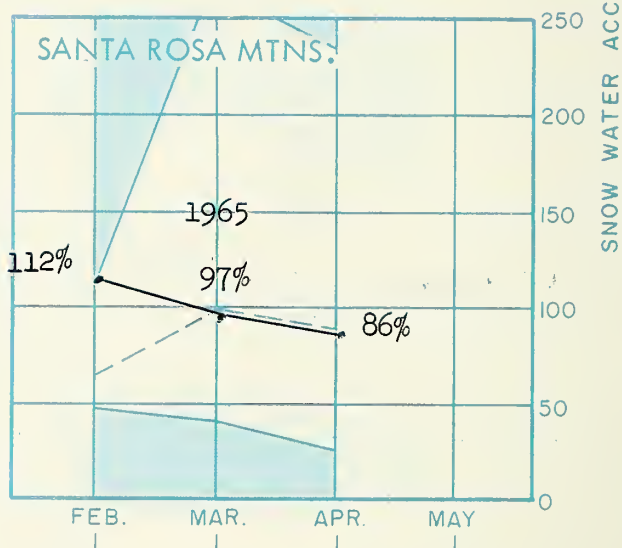
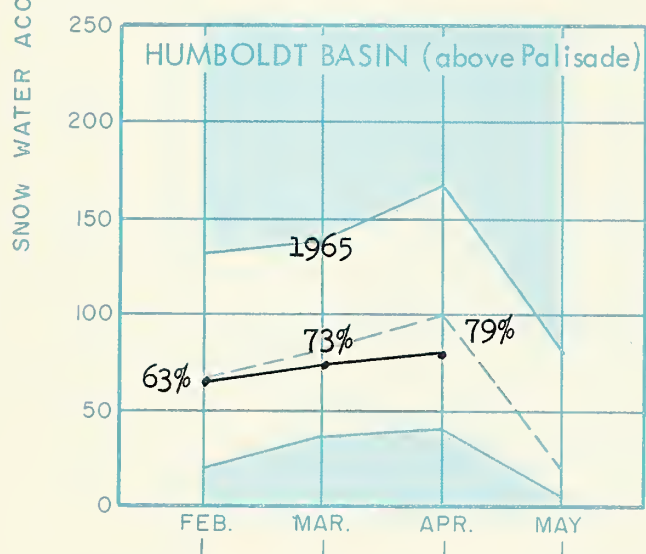
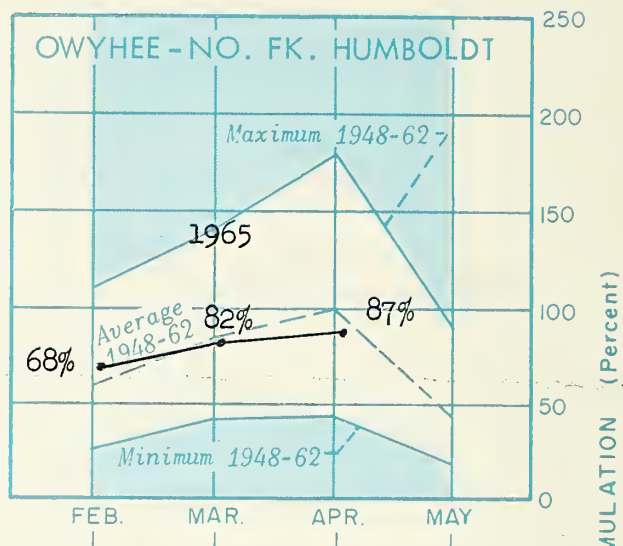
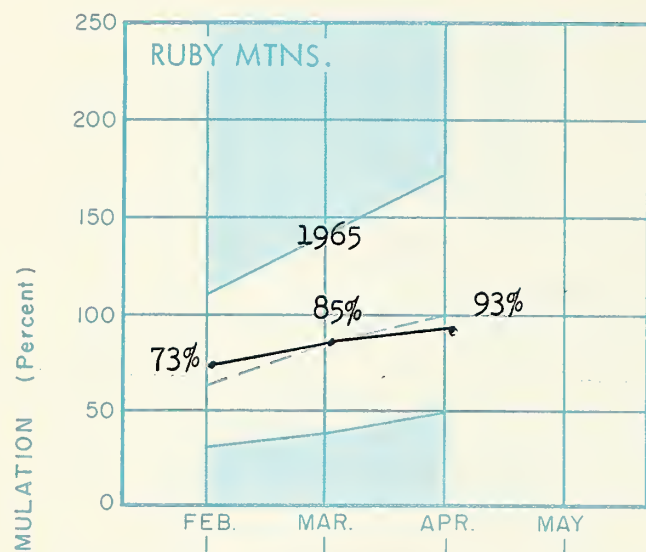
Plate 1

PLATE 1

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

As of April 1, 1965



WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'s.
WASHOE, STOREY & LYON COUNTIES, NEVADA



APRIL 1, 1965

Water users in the Tahoe-Truckee watersheds will have adequate water during the spring and summer of 1965 for all irrigation, municipal, and power uses. The water content of the April 1, 1965 snowpack at key snow courses is 122 percent of average with some high snow courses over 130 percent and some low snow courses in the 60-80 percent of average range. The Truckee Basin Water Committee forecasts that Lake Tahoe will rise 1.70 feet from April 1. Assuming the gates closed, this will raise the lake elevation to 6228.85 which is 0.25 of a foot below the maximum level of 6229.1 feet above sea level. Above normal precipitation during the spring could bring the lake to the maximum level.

Donner and Independence Lakes are expected to fill during June 1965. Currently Boca and Prosser reservoirs are being regulated at about 10,000 acre-feet and both will fill to capacity during the runoff season. The Truckee at Farad is forecast to flow 320,000 acre-feet during April-July and Little Truckee above Boca at 108,000 acre-feet. The Committee states that the Floriston rate of 500 c.f.s. will be maintained through the spring and summer.

Mountain soils are wet and will absorb very little snowmelt runoff.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	497	340	404
Boca	41	12	11	9
Prosser <u>b/</u>	29	9	10	--
<u>b/</u> Flood control use allocation 20,000 a.f. between 11/1 to 4/10				

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST		MEASURED	
	THIS YEAR	LAST YEAR	THIS YEAR	AVERAGE
1. Little Truckee River above Boca	108	63	78	
2. Truckee River at Farad, Calif.	320	180	269	
3. Lake Tahoe rise (In ft. from Apr. 1 assuming gates closed)	1.70	0.90	1.47	
Note: Above forecasts prepared by Truckee Basin Water Committee				

SNOW

April 1, 1965

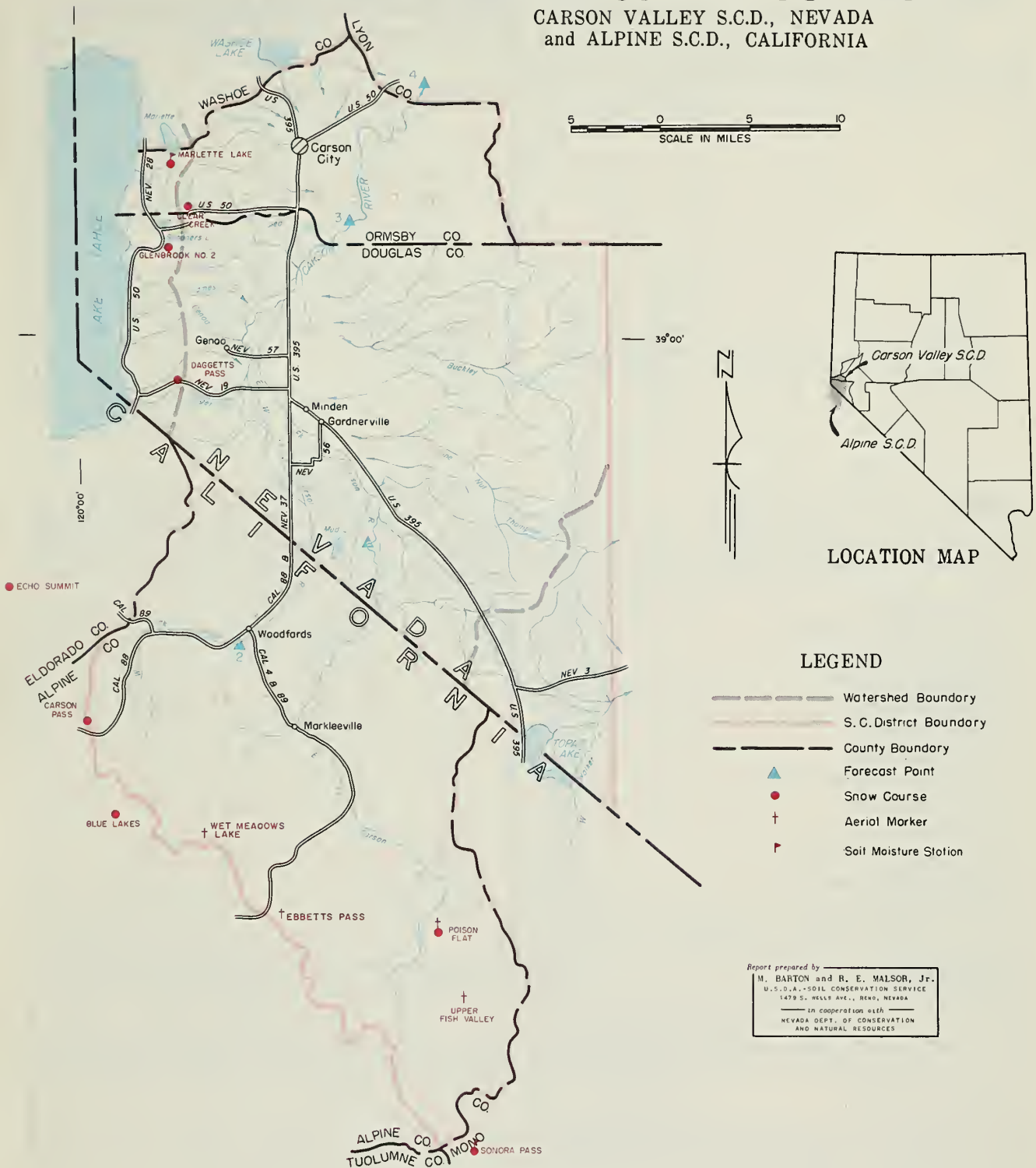
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	3/26	23	9.3	6.8	10.7
Echo Summit	7500	3/31	100	51.6	20.7	38.2
Freel Bench	7300	3/30	22	11.1	6.9	12.1
Glenbrook #2	6900	3/29	33	11.0	6.1	13.0
Hagans Meadow	8000	3/30	46	21.5	10.8	18.6
Lake Lucille	8400	3/29	170	72.4	39.9	62.3
Little Valley	6300	4/2	15	6.4	4.6	7.9*
Marlette Lake	8000	3/26	49	19.4	12.2	21.0
Richardsons #2	6500	3/29	39	16.1	11.9	17.9
Rubicon #1	8100	3/29	153	60.8	35.2	49.8
Rubicon #2	7500	3/29	79	33.3	19.8	30.9
Tahoe City	6250	3/26	13	6.4	9.6	10.8
Upper Truckee	6400	3/30	17	8.5	5.9	8.4
Ward Creek	7000	3/31	106	49.0	30.6	47.2
TRUCKEE RIVER						
Boca #2	5900	3/29	13	4.8	3.3	5.3*
Donner Park #2	6000	3/29	45	16.4	16.4	20.8*
Donner Summit	6900	4/1	86	41.7	30.2	39.5
Fordyce Lake	6500	4/3	93	41.3	32.7	40.7*
Furnace Flat	6600	4/3	106	51.7	38.4	50.0*
Independence Camp	7000	4/1	54	24.4	16.2	24.4
Independence Creek	6500	4/1	36	14.7	9.7	13.8
Independence Lake	8450	4/1	122	52.1	32.7	41.7
Mt. Rose	9000	4/1	105	45.7	19.6	33.0
Sage Hen Creek	6500	4/2	42	16.9	13.8	18.7
Squaw Valley #2	7500	3/26	132	55.9	36.2	51.1*
Truckee #2	6400	4/2	41	17.8	11.6	16.2*
Webber Lake	7000	3/28	94	37.3	23.7	33.9*
Webber Peak	8000	3/28	136	62.4	35.4	43.5*
Brockway Summit	7100	3/31	37	17.0	9.2	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagans Meadow	8000	36	3.65	3/30	3.6	3.5	--
Independence Camp	7000	34	6.10	4/1	5.9	5.7	5.5
Marlette Lake	8000	50	3.70	3/26	3.7	3.6	3.5
Truckee #2	6400	18	3.65	4/2	3.7	3.3	3.6
Ward Creek	7000	49	5.80	3/31	5.8	5.6	5.8

WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



APRIL 1, 1965

Carson Valley water users will have a very ample irrigation season water supply this year. Although March snowfall was below normal the April 1, 1965 snow surveys revealed a snowpack which is 125 percent of average. Mountain soils are very wet and will require little, if any, snowmelt water. The high elevation snowpack is particularly good with an unusually high density.

Plate 3

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	236	220	202

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson nr. Gardnerville	250	113	179
2. West Carson at Woodfords, Cal.	75	34	52
3. Carson River nr. Carson City	235	87	169
4. Carson River at Ft. Churchill	220	70	155
Date 200 c.f.s. flow E. Carson nr. Gardnerville	8/3	7/9	7/20

SNOW April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Blue Lakes	8000	4/2	107	45.5	22.5	35.1
Carson Pass, Upper	8600	3/25	91	42.6	21.6	35.7
Clear Creek	7300	4/2	28	13.0	5.9	13.7*
Daggetts Pass	7350	3/26	23	9.3	6.8	10.7
Ebbetts Pass	8700	4/4	108	46.5 ^a	24.5 ^a	--
Echo Summit	7500	3/31	100	51.6	20.7	38.2
Glenbrook #2	6900	3/29	33	11.0	6.1	13.0
Marlette Lake	8000	3/26	49	19.4	12.2	21.0
Poison Flat	7900	4/4	36	15.5 ^a	6.6 ^a	15.9*
Sonora Pass	8800	3/25	61	27.2	15.0	23.5
Upper Fish Valley	8050	4/4	46	19.8 ^a	10.5 ^a	--
Wet Meadow Lake	8100	Marker Down			21.0 ^a	--
Wolf Creek	8000	Not Read			New Marker	

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Marlette Lake	8000	50	3.70	3/26	3.7	3.6	3.5
Sonora Pass	8800	48	8.30	3/25	8.3	8.1 ^c	8.3

c/ Nearest current data available 2/24.

The April-July 1965 streamflow forecasts remain unchanged from those given last month; Namely in the 140-144 percent of average range. The East Carson near Gardnerville is forecast to flow 250,000 acre-feet during April-July 1965 or 140 percent of average. West Carson is forecast to flow 75,000 acre-feet (144 percent) during the same time period. August 3, 1965 is the date that East Carson is predicted to fall below 200 c.f.s. compared to July 9 last year and its average of July 20. The main river stations at Carson City and Ft. Churchill are forecast at 235,000 and 220,000 acre-feet during April-July 1965. Lahontan held 236,000 acre-feet on April 1, 1965.

WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY
CHURCHILL COUNTY, NEVADA



APRIL 1, 1965

Water users in the Fallon area will have ample irrigation water during 1965. Although March snowfall was below normal, as was February, these deficits were offset by the heavy snowpack which accumulated in January following the Christmas period floods.

Lahontan held 236,000 acre feet of water on April 1 which is 117 percent of average and only 50,000 acre-feet less than capacity. Lake Tahoe was at elevation 6227.15 on April 1 which is 497,000 acre-feet.

The Truckee Basin Water Committee forecasts Lake Tahoe will rise 1.70 feet from April 1, 1965 assuming gates closed to a high point of 6228.85. This is about 0.25 of a foot below the maximum level of 6229.1 and above normal precipitation during the spring could bring the lake to the maximum level. The Floristan rate of 500 c.f.s. will be maintained all spring and summer.

The Truckee at Farad is expected to flow 320,000 acre-feet during April-July 1965 which is 119 percent of the 1948-62 average and 114 percent of the long term average. Carson at Ft. Churchill is forecast to flow 220,000 acre-feet (142 percent) during the same time period.

Plate 4

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	497	340	404
Lahontan	286	236	220	202

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Truckee River at Farad, Calif.**	320	180	269
Lake Tahoe Rise** (In ft. from Apr.1 assuming gate closed)	1.70	0.90	1.47
Carson River at Ft. Churchill	220	70	155

**Forecasts prepared by Truckee Basin
Water Committee

SNOW

April 1, 1965

SNOW		CURRENT INFORMATION			PAST RECORD	
SNOW COURSE		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
TRUCKEE RIVER						
Boca #2	5900	3/29	13	4.8	3.3	5.3*
Donner Summit	6900	4/1	86	41.7	30.2	39.5
Fordyce Lake	6500	4/3	93	41.3	32.7	43.7*
Furnace Flat	6600	4/3	106	51.7	38.4	50.0*
Independence Camp	7000	4/1	54	24.4	16.2	24.4
Sage Hen Creek	6500	4/2	42	16.9	13.8	18.7
LAKE TAHOE						
Daggetts Pass	7350	3/26	23	9.3	6.8	10.7
Echo Summit	7500	3/31	100	51.6	20.7	38.2
Hagans Meadow	8100	3/30	46	21.5	10.8	18.6
Tahoe City	6250	3/26	13	6.4	9.6	10.8
Ward Creek	7000	3/31	106	49.0	30.6	47.2
CARSON RIVER						
Blue Lakes	8000	4/1	107	45.5	22.5	35.1
Carson Pass, Upper	8600	3/25	91	42.6	21.6	35.7
Clear Creek	7300	4/2	28	13.0	5.9	13.7*
Poison Flat	7900	4/4	36	15.5 ^a	6.6 ^a	15.9*
Sonora Pass	8800	3/25	61	27.2	15.0	23.5

SOIL MOISTURE

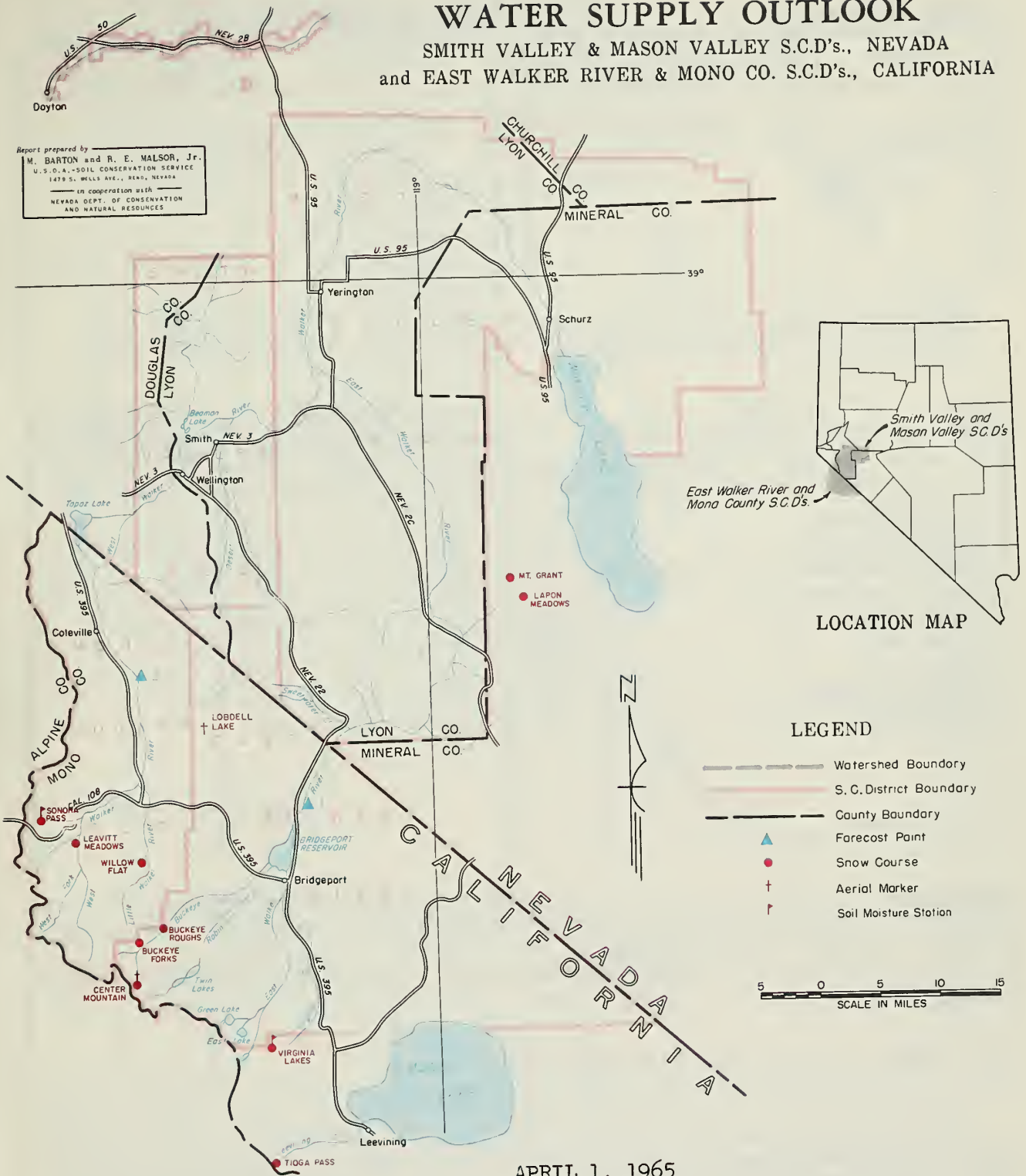
STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Hagans Meadow	8000	36	3.65	3/30	3.6	3.5	--
Independence Camp	7000	34	6.10	4/1	5.9	5.7	5.5
Marlette Lake	8000	50	3.70	3/26	3.7	3.6	3.5
Sonora Pass	8800	48	8.30	3/25	8.3	8.1 ^b	8.3
Truckee #2	6400	18	3.65	4/2	3.7	3.3	3.6
Ward Creek	7000	49	5.80	3/31	5.8	5.6	5.8

^b/ Nearest Current data available 2/24.

WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D.'s., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D.'s., CALIFORNIA

Report prepared by
M. BARTON and R. E. WALSON, Jr.
U. S. D. A. - SOIL CONSERVATION SERVICE
1478 S. WELLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



APRIL 1, 1965

Water users in the East and West Walker River basins will have very ample 1965 irrigation season water supplies. Topaz and Bridgeport reservoirs are holding above average stored water supplies. The April 1 snowpack is 125 percent of average. Tioga Pass snow course is 145 percent of its April 1 average. Mountain soils are wet.

Plate 5 (over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	50	53	37
Bridgeport	42	33	42	30

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Walker nr. Bridgeport, Cal.**	90	21	57
2. West Walker below E. Fork nr. Coleville, California	200	86	143

**Apr-Aug. runoff corrected for change in Bridgeport Reservoir

SNOW

April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckeye Forks	8500	2/30	65	26.3	11.7	19.7
Buckeye Roughs	7900	3/30	49	21.0	8.7	20.1
Center Mountain	9400	3/30	105	42.7	23.2	36.9
Leavitt Meadows	7200	3/25	19	9.2	6.0	7.0*
Lobdell Lake	9200	4/4	46	16.5 ^a	12.9 ^a	
Sonora Pass	8800	3/25	61	27.2	15.0	23.5
Tioga Pass	9900	3/30	86	33.0	14.3	22.8
Virginia Lakes	9500	3/24	49	18.6	10.2	17.5
Willow Flat	8250	3/24	26	10.8	6.1	9.8

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Sonora Pass	8800	48	8.30	3/25	8.3	8.1 ^b	8.3

^b/ Nearest current data available 2/24

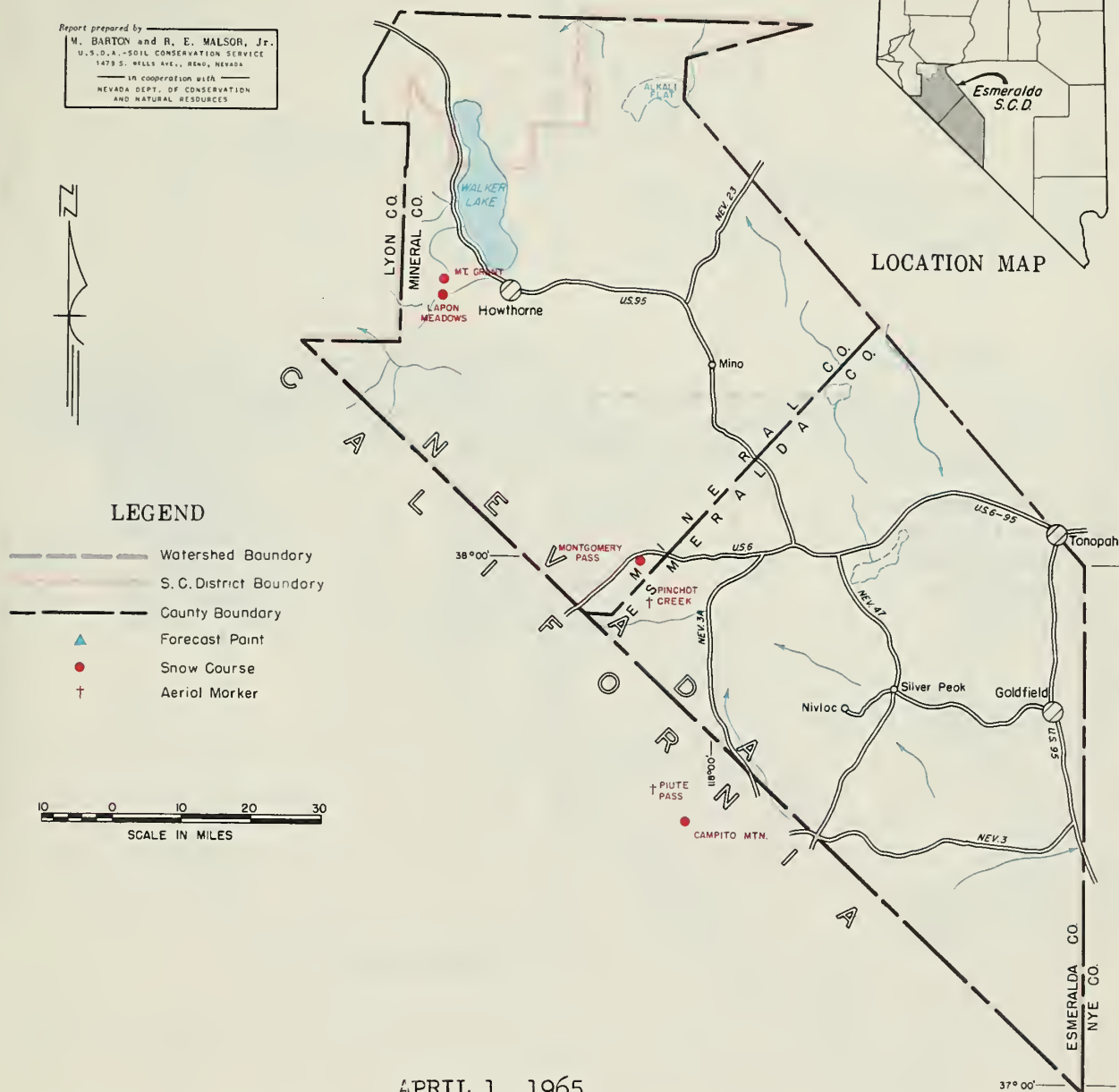
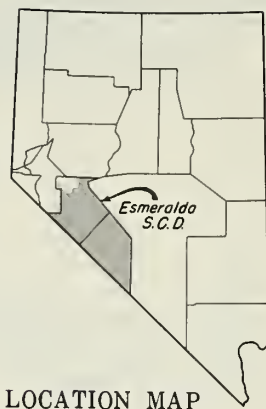
East Walker near Bridgeport is forecast to flow 90,000 acre feet during April-August, which is 158 percent of average. Bridgeport gained 3,000 acre-feet during March and now holds 33,000 acre-feet.

West Walker near Coleville is forecast to flow 200,000 acre-feet during April-July (143 percent of average). Topaz currently holds 50,000 acre-feet reflecting a gain of 5,000 acre feet during March.

WATER SUPPLY OUTLOOK

ESMERALDA S.C.D., ESMERALDA & MINERAL COUNTIES, NEVADA

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.D.A. - SOIL CONSERVATION SERVICE
1479 S. WELLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



APRIL 1, 1965

The White Mountain April 1, 1965 snowpack shows some improvement over that of March 1, 1965. This improvement occurred after the ground surveys were taken at Montgomery Pass and Campito. An additional foot of new snow fell on the Campito snow course between March 28-April 3. However, even taking this into account the snowpack can still only be rated as fair. The aerial marker readings reflect this new snow which has a density estimated to be in the 10 to 15 percent range.

Ground water recharge from the White Mountains into Fish Lake Valley will be poor to fair this year.

Plate 6

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

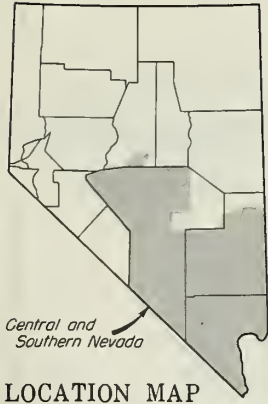
April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Campito Mountain	10,200	3/28	5	1.1	0.0	7.0*
Chiatovich Flat	10,500	4/4	15	2.9 ^a / ₁	New Marker	
Montgomery Pass	7,100	3/31	0	0.0	0.0	0.6*
Pinchot Creek	9,300	4/4	6	0.6 ^a / ₁	0.0 ^a / ₁	--
Piute Pass	11,700	4/4	36	5.0 ^a / ₁	1.5 ^a / ₁	--

WATER SUPPLY OUTLOOK

CENTRAL and SOUTHERN NEVADA
CLARK, LINCOLN & NYE COUNTIES, NEVADA

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.O.A.-SOIL CONSERVATION SERVICE
1479 S. HILLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



LEGEND

- Watershed Boundary
- S.C.District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course

20 0 20 40 60
SCALE IN MILES



APRIL 1, 1965

Snowpack in the Spring Mountains is 71 percent of the April average this year. Snow surveys were completed on March 31 and storms since then have added to the snowpack. The ground water recharge in this area will be fair this year.

Snow courses on Upper Meadow Valley are bare. On the Upper Reese River there is very little snow remaining. Streamflow in this area will be fair to poor this year.

Plate 7 (over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1,810	1,663	1,663	1,357**
Mead	27,220	11,151	14,609	16,603
**Storage began in 1950				

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Virgin River at Virgin, Utah	34	37	43
April-June forecast - by SCS, Salt Lake City, Utah			

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

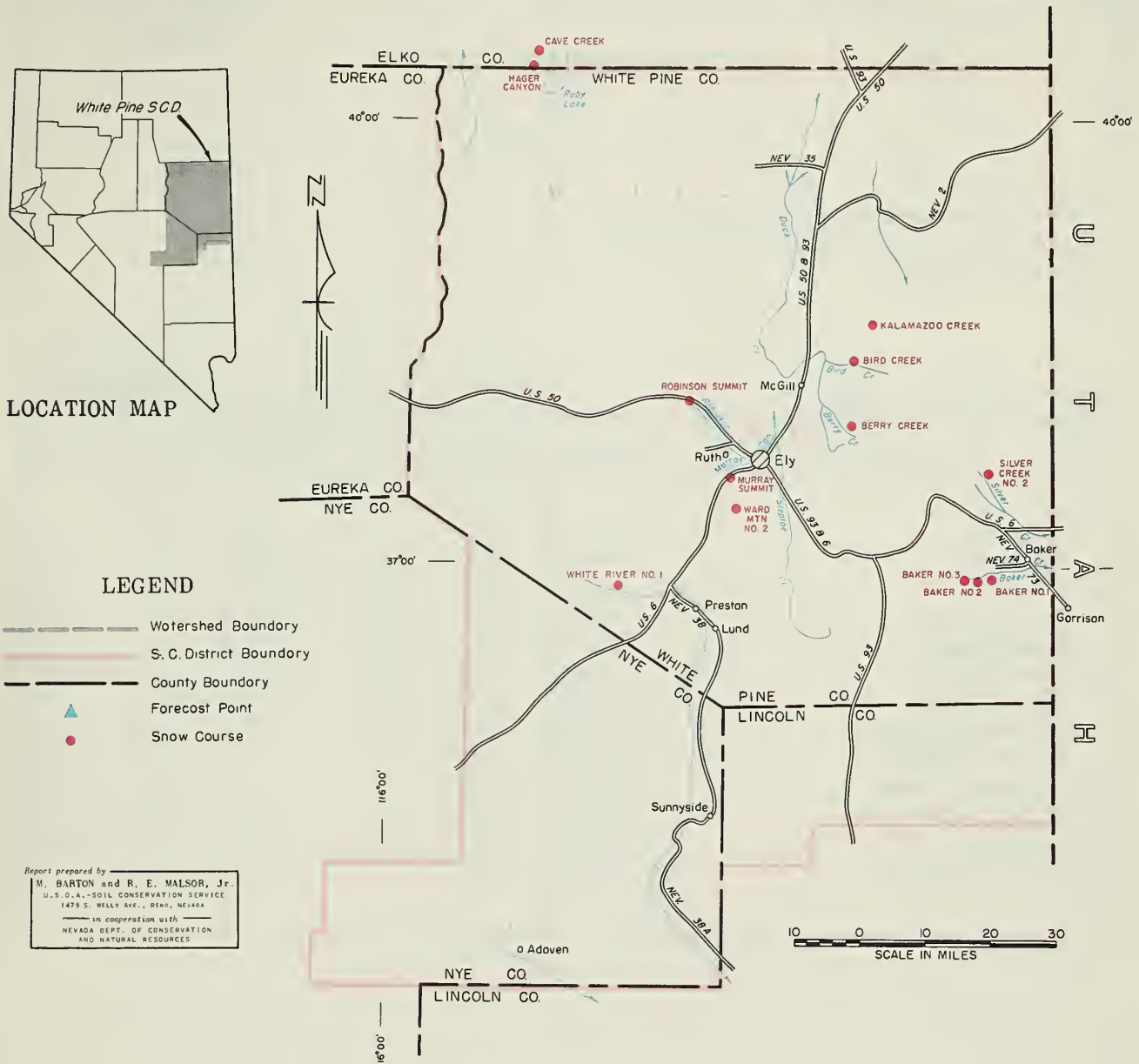
April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
NAME	ELEVATION					
Clark Canyon	9000	3/31	21	7.2	3.0	7.7
Kyle Canyon	8200	3/30	16	5.3	3.0	9.6
Lee Canyon #1	8300	3/30	14	6.0	3.5	7.7
Lee Canyon #2	9000	3/30	22	6.5	4.1	9.0
Lee Canyon #3	8400	3/30	18	6.4	3.3	--
Rainbow Canyon #2	8100	3/30	35	10.7	7.0	15.2
Trough Springs	8500	3/31	10	4.0	1.7	5.8
MEADOW VALLEY SCD						
Mathew Canyon	6200	4/1	0	0.0	0.0	0.5*
Pine Canyon	6000	4/1	0	0.0	0.0	0.7*
TONOPAH SCD						
Lower Corral	7500	4/1	0	0.0	0.0	0.9*
Upper Corral	8500	4/1	1	0.6	0.4	2.4*

The Virgin River at Virgin, Utah is forecast to flow 34,000 acre-feet or 79% of average. The Virgin River water users in the Mesquite area can expect an irrigation season water supply similar to last year.

WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



Streamflow from the Snake and Schell Creek Ranges will be near normal this year. Mountain snowpack in the Baker area (Snake Range) is 102 percent of average and 93 percent of average in the Bird-Berry Creek area (Schell Creek Range). On the east slope of the Ruby's the snow pack is 107 percent of average. Streamflow in this area will be normal to above normal this year.

In the Ward Mountain area the snowpack is only 59 percent of average. With very little snow below 7400-7500. streamflow near Ely will be fair to poor this year.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

SNOW April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Baker #1	7950	3/31	20	5.8	6.0	6.5
Baker #2	8950	3/31	50	16.0	9.4	16.2
Baker #3	9250	3/31	57	20.0	10.2	18.3
Berry Creek	9100	4/1	53	16.6	11.3	16.4
Bird Creek	7500	4/1	8	2.5	2.7	3.3
Cave Creek	7500	3/31	36	15.4	19.2	15.9*
Hager Canyon	8000	3/31	56	25.2	17.9	21.2*
Kalamazoo Creek	7400	3/29	20	6.4	7.3	7.7*
Murray Summit	7250	4/2	T	T	3.3	2.7
Robinson Summit	7600	3/29	T	T	2.8	1.9*
Silver Creek #2	8000	3/30	24	6.8	5.9	6.7*
Ward Mtn. #2	8900	4/2	48	12.2	8.2	20.7*
White River #1	7400	4/2	8	0.8	2.1	1.7*

WATER SUPPLY OUTLOOK

CLOVER & RUBY S.C.D's., ELKO COUNTY, NEVADA



10 0 10 20
SCALE IN MILES

LOCATION MAP

Report prepared by M. BARTON and R. E. MALSOR, Jr.
U.S.D.A. - SOIL CONSERVATION SERVICE
1478 S. WELLS AVE., RENO, NEVADA
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NEVADA DEPT. OF CONSERVATION
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Although March snowfall was below normal, ranchers in Clover and Ruby Valley Soil Conservation Districts will have a good irrigation water supply this spring and summer. Ruby Mountain streamflow will range from normal to above normal.

Plate 9

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

SNOW

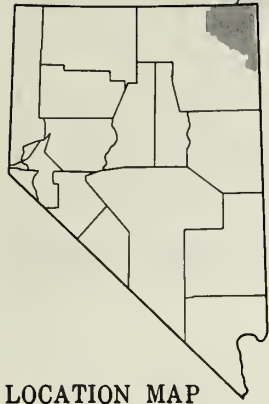
April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
American Beauty	7800	Marker Down			10.0 ^a	--
Cave Creek	7500	3/31	36	15.4	19.2	15.9*
Corral Canyon	8500	4/1	55	20.3	16.6	20.5*
Dorsey Basin	8100	4/2	35	11.0	11.2	14.2
Dry Creek	6500	4/2	T	T	3.5	3.7
Green Mountain	8000	3/31	37	14.2	12.8	15.2*
Hager Canyon	8000	3/31	56	25.2	17.9	18.6
Harrison Pass #1	6600	3/31	0	0.0	7.9	3.4
Harrison Pass #2	7400	3/31	4	1.6	8.4	4.8
Hole-in-Mountain	7900	3/31	78	32.3	22.5	22.9*
Lamoille #1	7100	4/1	21	7.5	9.7	10.4*
Lamoille #2	7300	4/1	22	7.5	8.8	10.2*
Lamoille #3	7700	4/1	39	14.2	11.1	13.6*
Lamoille #4	8000	4/1	59	22.2	15.5	20.1*
Lamoille #5	8700	4/1	94	36.9	22.2	30.0*
Ryan Ranch	5800	4/2	0	0.0	0.0	1.1
Trout Creek, Lower	6900	4/1	T	T	3.6	3.0*
Trout Creek, Upper	8500	4/1	55	21.6	17.8	23.8*

WATER SUPPLY OUTLOOK

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA

Northeast Elko SGD

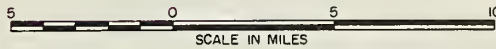
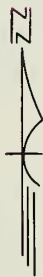


LOCATION MAP

LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Marker

Report prepared by
M. BARTON and R. E. MALSON, Jr.
 U.S.D.A. - SOIL CONSERVATION SERVICE
 1479 S. WELLS AVE., RENO, NEVADA
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 AND NATURAL RESOURCES



The April 1, 1965 snowpack in the Salmon Falls Creek headwaters is in the 115-135 percent of average range. Mountain soils are very wet. The effective snowline is about 7000 feet. Water users in the Northeast Elko SCD served by tributaries of Salmon Falls Creek will have a good spring and early summer water supply. Spring range forage growth should be good to very good.

Salmon Falls Creek near San Jacinto is forecast to flow 117,000 acre-feet during March-July 1965, which is 154 percent of average.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Salmon Falls Cr. near San Jacinto			
March-September	120	102	78
March-July	117	98	76
Forecasts issued by SCS, Boise, Idaho			

SNOW April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Goat Creek	8800	3/29	64	22.4	15.2	19.5*
Hummingbird Springs	8945	3/29	82	30.4	21.1	23.0*
Jakes Creek	7000	4/1	0	0.0	2.3	--
Pole Creek Ranger Station	8300	3/29	74	27.1	21.6	20.2*
Red Point	7940	3/29	37	11.0	17.0	--

WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D.'s. ELKO COUNTY, NEVADA



APRIL 1, 1965

Water users in the Owyhee, Duck Valley SCD's will have an adequate water supply this year. Mountain snowpack at key courses in this area is 87 percent of average.

Soils are well wetted and will require little snowmelt water for priming prior to runoff.

Wild Horse reservoir now holds 13,000 acre-feet, or 39% of capacity. This is good considering the fact that the reservoir had to be drained for repairs last year. Wild Horse is not expected to spill this year.

Streamflow in this area will be average this year. The Owyhee near Gold Creek is forecast to flow 22,000 acre-feet and the Owyhee near Owyhee 74,000 acre-feet.

Plate 11

STORAGE (1,000 Ac. Ft.)

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	13	24	18

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Owyhee River nr. Owyhee**	74	78	74
2.Owyhee River nr. Gold Creek**	22	21	22
**Corrected for change in storage in Wild Horse Reservoir			

SNOW

April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
Bear Creek	7800	3/29	72	25.7	19.8	21.0
Big Bend	6700	3/29	28	8.2	10.4	10.7
Columbia Basin	6650	3/30	14	4.8a	8.4a	--
Fawn Creek	7000	3/30	0	0.0a	New Marker	
Fox Creek	6800	3/29	32	10.7	12.6	10.9
Fry Canyon	6700	3/29	15	5.0	6.9	8.9
Gold Creek	6600	3/29	13	4.1	8.5	6.5
Jack Creek, Lower	6800	3/30	8	3.0	5.8	3.5
Jack Creek, Upper	7250	3/30	27	9.8	10.7	11.6
Jacks Peak	8420	3/30	90	34.6	24.8	27.5*
Laurel Draw	6700	3/29	23	7.8	10.2	9.5*
Merritt Mtn.	7800	3/30	3	0.9a	New Marker	
Midas	7200	3/31	0	0.0	0.6	1.9*
Rodeo Flat	6800	3/29	11	3.7	6.2	8.2
76 Creek	7100	3/29	35	12.2a	11.4	14.5*
Stag Mountain	7700	3/30	15	4.8a	4.6a	--
Taylor Canyon	6200	3/30	T	T	6.7	3.7
Toe Jam	7700	3/30	18	6.0a	9.6a	--
Tremewan Ranch	5700	3/29	0	0.0	T	0.7

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Bear Creek	7800	72	16.9	3/29	14.5	12.0	11.3
Big Bend	6700	48	16.7	3/29	16.4	15.7	16.0
Jack Creek, Lower	6800	48	8.7	3/30	8.3	8.2	8.1
Rodeo Flat	6800	42	11.0	3/29	10.9	9.7	11.0
Taylor Canyon	6200	48	15.1	3/30	15.0	9.0	12.4
c/ Station was moved a short distance uphill in 1963. Soil units not yet in equilibrium.							

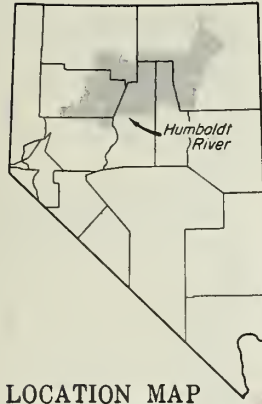
WATER SUPPLY OUTLOOK

HUMBOLDT RIVER

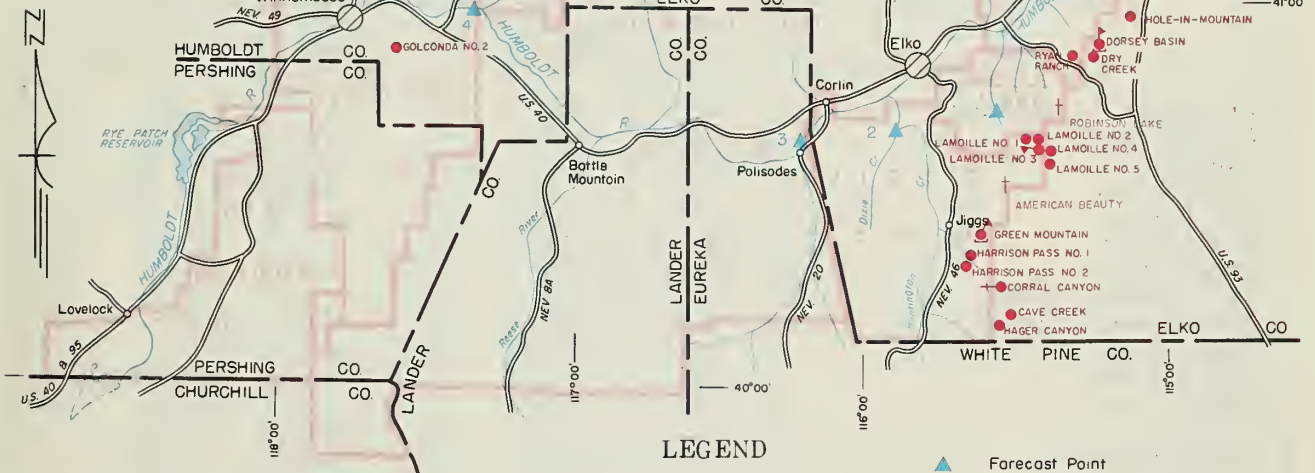
CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA

25 0 25 50
SCALE IN MILES

O R E G O N I D A H O



LOCATION MAP



LEGEND

- ▲ Forecast Point
- Snow Course
- † Aerial Marker
- Soil Moisture Station
- Storage Precipitation Gage
- Watershed Boundary
- S.C. District Boundary
- County Boundary

Report prepared by
M. BARTON and R. E. MALSON, Jr.
U.S.D.A.-SOIL CONSERVATION SERVICE
1479 S. WELLS AVE., RENO, NEVADA
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AND NATURAL RESOURCES

APRIL 1, 1965

Humboldt River water users above Carlin will have a good water supply this coming irrigation season. The April 1, 1965 snowpack in the Independence Mountains and the Ruby Mountains is 87-93 percent of average.

North Fork of the Humboldt at Devils Gate and Marys River above Hot Springs Creek are predicted to flow 32,000 and 33,000 acre-feet respectively during April-July 1965 which is 94-97 percent of average. Lamoille Creek is forecast to flow 32,000 acre-feet (123 percent of average) and South Fork of the Humboldt at 70,000 acre-feet (117 percent of average).

The Humboldt at Palisade forecast has been lowered from last month's prediction due to below normal March precipitation and snowfall. The present outlook is for 200,000 acre-feet to flow past Palisade during April-July 1965 or 115 percent of the 15-year (1948-62) average. Water users in the Lovelock area will have ample irrigation water this year. Rye Patch reservoir held 159,000 acre-feet of water on April 1, 1965. The outlook is good with respect to reservoir water carryover into the 1966 water year.

Plate 12

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	159	85	76

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1.Lamoille Creek near Lamoille	32	33	26
2.So.Fork Humboldt River near Elko	70	88	60
Marys River above Hot Springs Cr.	33	30	34
No.Fork Humboldt at Devils Gate	32	33	34
3.Humboldt River at Palisade	200	271	173
4.Humboldt River at Comus	145	207	127
5.Martin Creek nr. Paradise Valley	17	12	17

SNOW

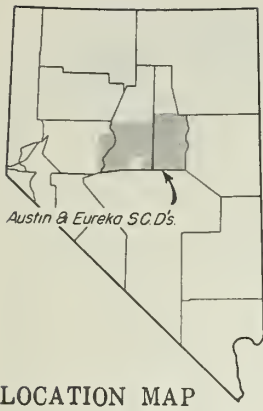
April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
Hummingbird Springs	8945	3/29	82	30.4	21.1	23.0*
Bear Creek	7800	3/29	72	25.7	19.8	21.0
Big Bend	6700	3/29	28	8.2	10.4	10.7
Fawn Creek	7000	3/30	0	0.0a	New Marker	
Fox Creek	6800	3/29	32	10.7	12.6	10.9
Fry Canyon	6700	3/29	15	5.0	6.9	8.9
Gold Creek	6600	3/29	13	4.1	8.5	6.5
Jack Creek, Lower	6800	3/30	8	3.0	5.8	3.5
Jack Creek, Upper	7250	3/30	27	9.8	10.7	11.6
Jacks Peak	8420	3/30	90	34.6	24.8	27.5*
Merritt Mtn.	7800	3/30	3	0.9a	New Marker	
Rodeo Flat	6800	3/29	11	3.7	6.2	8.2
76 Creek	7100	3/29	35	12.2a	11.4	14.5*
Stag Mountain	7700	3/30	15	4.8a	4.6a	--
Taylor Canyon	6200	3/30	T	T	6.7	3.7
Toe Jam	7700	3/30	18	6.0a	9.6a	--
Tremewan Ranch	5700	3/29	0	0.0	T	0.7
American Beauty	7800	Marker Down			10.0a	--
Cave Creek	7500	3/31	36	15.4	19.2	15.9*
Corral Canyon	8500	4/1	55	20.3	16.6	20.5*
Dorsey Basin	8100	4/2	35	11.0	11.2	14.2
Dry Creek	6500	4/2	T	T	3.5	3.7
Green Mountain	8000	3/31	37	14.2	12.8	15.2*
Hager Canyon	8000	3/31	56	25.2	17.9	21.2*
Harrison Pass #1	6600	3/31	0	0.0	7.9	3.4
Harrison Pass #2	7400	3/31	4	1.6	8.4	4.8
Hole-in-Mountain	7900	3/31	78	32.3	22.5	22.9*
Lamoille #1	7100	4/1	21	7.5	9.7	10.4*
Lamoille #2	7300	4/1	22	7.5	8.8	10.2*
Lamoille #3	7700	4/1	39	14.2	11.1	13.6*
Lamoille #4	8000	4/1	59	22.2	15.5	20.1*
Lamoille #5	8700	4/1	94	36.9	22.1	30.0*
Ryan Ranch	5800	4/2	0	0.0	0.0	1.1
Trout Creek, Lower	6900	4/1	T	T	3.6	3.0*
Trout Creek, Upper	8500	4/1	55	21.6	17.8	23.8*
Midas	7200	3/31	0	0.0	0.6	1.9*
Golconda #2	6000	3/31	T	T	6.5	3.6*
Buckskin, Lower	6700	3/30	15	5.9	10.6	9.2*
Buckskin, Upper	7200	3/30	21	7.6	10.4	10.3*
Granite Peak	7800	3/30	50	18.8	9.7	12.5*
Lamance Creek	6000	3/29	15	6.0	11.4	8.5*
Martin Creek	6700	3/30	21	10.0	10.2	8.8*

WATER SUPPLY OUTLOOK

AUSTIN & EUREKA S.C.D's., CHURCHILL, EUREKA
& LANDERS COUNTIES, NEVADA

Report prepared by
W. BARTON and R. E. MALSOR, Jr.
U.S.O.A., SOIL CONSERVATION SERVICE
1479 S. MILLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

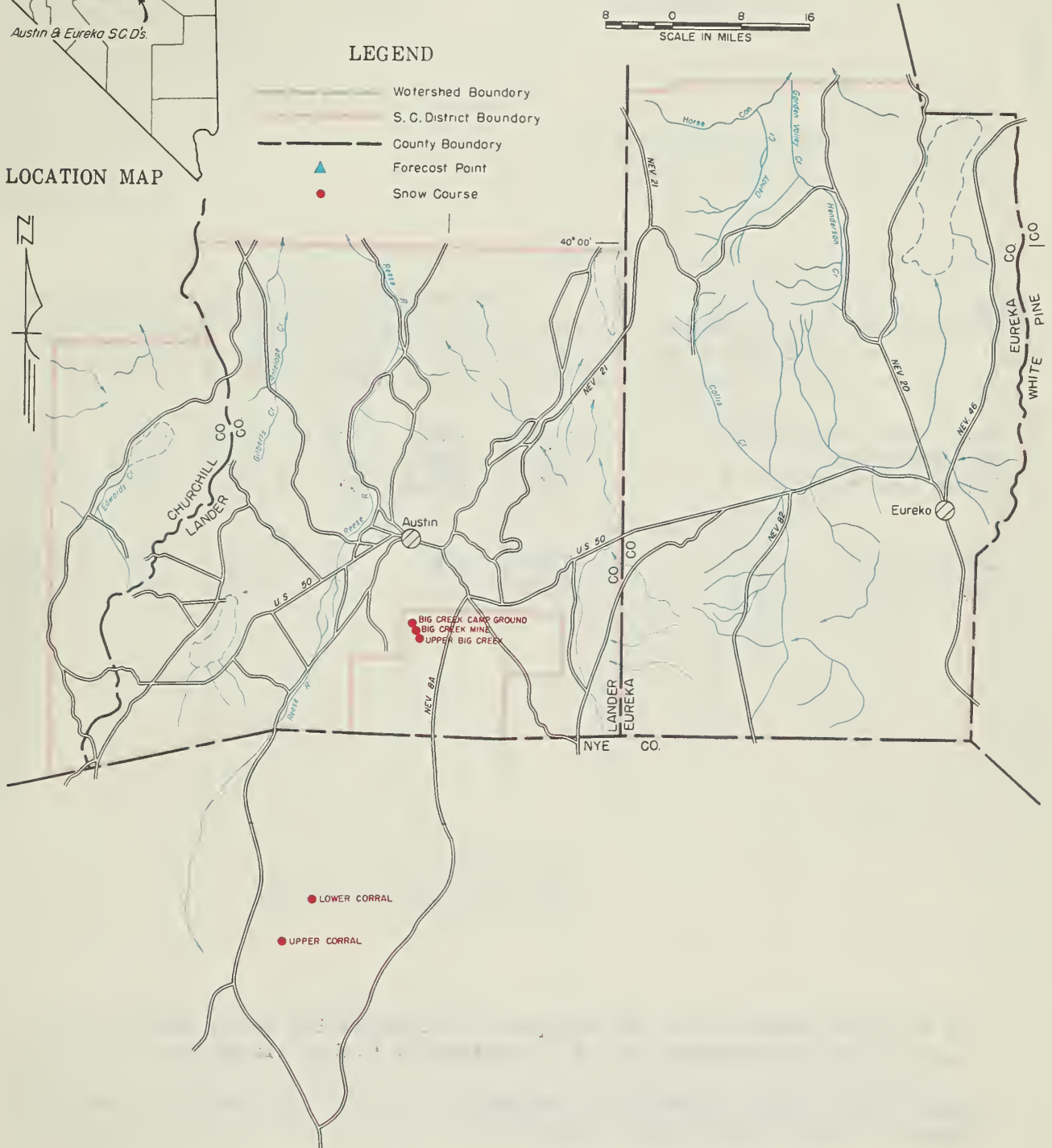


LOCATION MAP

LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course

8 0 8 16
SCALE IN MILES



APRIL 1, 1965

Snow pack in the Big Creek area increased slightly over last month at elevations above 6600 feet. Streamflow in the Big Creek area will be good in the early season to fair in the late season.

Plate 13

(over)

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

SNOW

April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Big Creek Camp Ground	6600	3/26	T	T	1.2	1.0
Big Creek Mine	7600	3/26	16	4.5	7.8	3.2*
Upper Big Creek	8000	3/26	20	5.6	8.2	7.2*
Lower Corral	7500	4/1	0	0.0	0.0	0.9*
Upper Corral	8500	4/1	1	0.6	0.4	2.4*

On the upper Reese River the snowpack is disappearing quite rapidly with none at lower elevations to 25% of average at higher elevations.

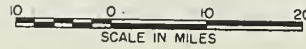
Upper Reese River streamflow is expected to be fair to poor this year though slightly better than last year.

WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D.'s. HUMBOLDT COUNTY, NEVADA

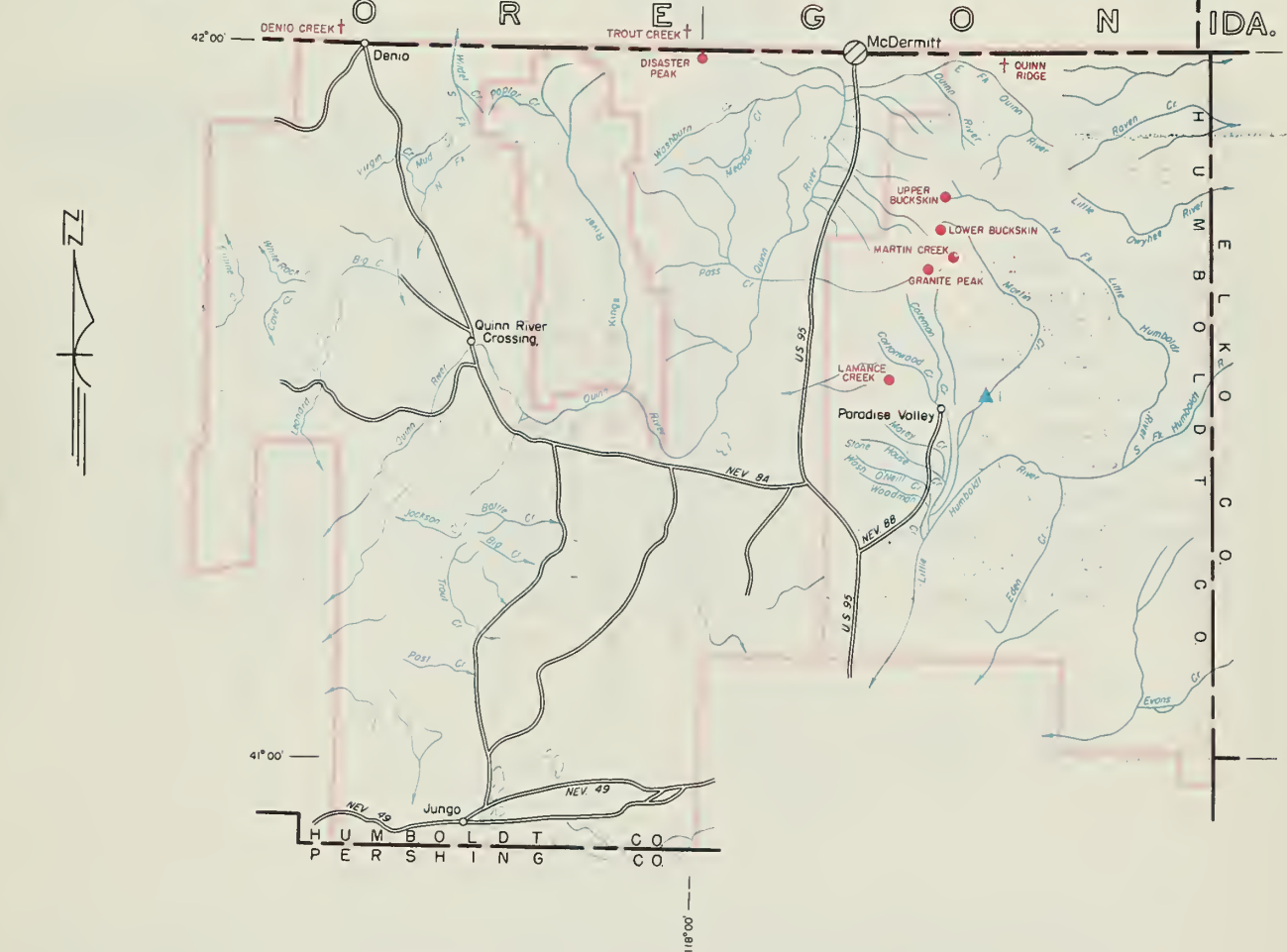
LEGEND

- Watershed Boundary
- S.C. District Boundary
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- ▲ Forecast Point
- Snow Course
- † Aerial Marker



Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.D.A. - SOIL CONSERVATION SERVICE
1479 S. HILLS AVE., Reno, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

LOCATION MAP



APRIL 1, 1965

Ranchers in Kings River, Paradise Valley, and Quinn River SCD's will have adequate irrigation season water supplies this coming spring and summer. Snowpack at key courses in the Santa Rosa Mountains is 86 percent of average. Mountain soils are well wetted so very little snowmelt water will be needed to prime the soils.

Martin Creek is forecast to flow 17,000 acre-feet during April-July which equals its average. Other streams will have flows similar to Martin Creek.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	159	85	76

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Martin Creek nr. Paradise Valley	17	12	17
Humboldt River at Palisade	200	271	173
Humboldt River at Comus	145	207	127

SNOW

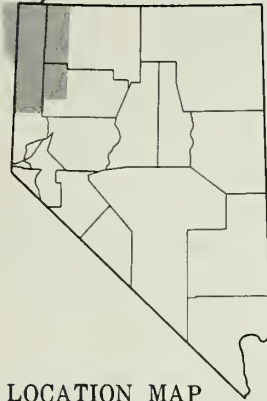
April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckskin, Lower	6700	3/30	15	5.9	10.6	9.2*
Buckskin, Upper	7200	3/30	21	7.6	10.4	10.3*
Disaster Peak	6500	3/29	21	8.9	11.7	11.7*
Denio Creek (Oregon)	6000	3/29	0	0.0 ^a	0.0 ^a	--
Granite Peak	7800	3/30	50	18.8	9.7	12.5*
Lamance Creek	6000	3/29	15	6.0	11.4	8.5*
Louse Canyon (Oregon)	6440	3/29	2	0.8 ^a	3.3 ^a	--
Martin Creek	6700	3/30	21	10.0	10.2	8.8*
Oregon Canyon (Oregon)	7200	3/29	3	1.2 ^a	4.5 ^a	--
Quinn Ridge	6300	3/29	1	0.4	2.1 ^a	--
Trout Creek (Oregon)	7800	3/29	22	8.8 ^a	7.2 ^a	--

WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA

Vya, Gerlach & Surprise
Valley S.C. D's.



LOCATION MAP

Report prepared by
M. BARTON and R. E. MALSOR, Jr.
U.S.O.A.-SOIL CONSERVATION SERVICE
1479 S. WELLS AVE., RENO, NEVADA
in cooperation with
NEVADA DEPT. OF CONSERVATION
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10 0 10 20
SCALE IN MILES

LEGEND

- Watershed Boundary
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April 1, 1965

March snowfall was well below normal in the Surprise Valley and Vya SCD's. The coordinated streamflow forecasts of the California Department of Water Resources and Soil Conservation Service Snow Survey Units have been revised downward from those given last month. The present outlook is for April-September streamflow of east slope Warner range streams from Bidwell Cr. on the north to Emerson Cr. on the south to range from 101 to 110 percent of average. There should be adequate water for irrigation needs at least during the spring and early summer.

Plate 15

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE

NOTE:

All averages based on 1948-62, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1948-62 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Bidwell Creek nr. Ft. Bidwell	14.5	--	14.3*
Mill Creek above all diversions	5.6	5.8	5.5
Deep Creek above all diversions	3.9	3.9	3.8
Eagle Creek near mouth of canyon	5.7	5.8	5.2

Note: April-Sept. forecasts. Coordinated forecasts of SCS and Calif. Dept. of Water Resources Snow Survey Units.

SNOW

April 1, 1965

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bald Mountain	6720	3/31	1	0.4	2.3	3.8
Barber Creek (Calif.)	6500	3/30	32	13.8	10.4	12.2*
Cedar Pass (Calif.)	7100	4/1	40	15.2	15.6	17.8
Dismal Swamp (Oregon)	7000	3/25	45	18.9 ^a	18.2 ^a	20.6*
Eagle Peak (Calif.)	7200	3/31	38	14.8	13.4	16.9
49-Mtn.	6000	3/31	2	1.3	4.3	3.3*
Hays Canyon	6400	3/30	3	1.3	5.3	3.7*
Little Bally Mtn.	6000	3/25	0	0.0 ^a	2.8 ^a	---
Reservation Creek (Calif.)	5900	3/30	18	7.8	12.0	12.4*

Bidwell Creek is forecast to flow 14,500 acre feet during April-September, which is 101 percent of average; Mill Creek 5,600 acre feet (102 percent of average), Deep Creek 3,900 acre feet (103 percent of average), and Eagle Creek 5,700 acre feet (110 percent of average). These forecasted flows are very similar to last year's observed April-September runoff.

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Water Resources
- Colorado River Commission of Nevada
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Virginia City Water Company
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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mining and industry

*"The Conservation of Water begins
with the Snow Survey"*